Claim 20, line 4, after "Thr", insert --(SEQ ID NO: 34)--.

Claim 23, line 5, after "Thr", insert --(SEQ ID NO: 34)--.

Claim 28, line 4, after "Thr", insert --(SEQ ID NO: 34)--.

Claim 39, line 3, after "Lys", insert --(SEQ ID NO: 35)--; and

line 4, after "Pro", insert --(SEQ ID NO: 36)--.

46. (Amended) A peptide having the sequence selected from the group consisting of (SEQ ID NO: 37) biotin- Phe-Pro-His-Phe-Asp-Leu-Ser-His-Gly-Ser-Ala-Gln-Val, (iodo)Phe-Pro-His-Phe-Asp-Leu-Ser-His-Gly-Ser-Ala-Gln-Val (SEQ ID NO: 37), Phe-Pro-His-(iodo)Phe-Asp-Leu-Ser-His-Gly-Ser-Ala-Gln-Val (SEQ ID NO: 37) and (iodo)Phe-Pro-His-(iodo)Phe-Asp-Leu-Ser-His-Gly-Ser-Ala-Gln-Val (SEQ ID NO: 37).

49. (Amended) A method as in claim 47 wherein said INPROL is selected from the group consisting of peptides having the sequence:

Phe-Pro-His-Phe-Asp-Leu-Ser-His-Gly-Ser-Ala-Gln-Val, (SEQ ID NO: 1)

Cys-Phe-Pro-His-Phe-Asp-Leu-Ser-His-Gly-Ser-Ala-Gln-Val-Cys (SEQ ID NO: 2)

(where the two Cys residues form a disulfide bond),

Asp-Ala-Leu-Thr-asn-Ala-Val-Ala-His-Val-Asp-Asp-Met-Pro-Asn-ala-Leu-Ser-Ala (SEQ ID

Leu-Val-Val-Tyr-Pro-Trp-Thr-Gln-Arg-Phe (SEQ ID NO: 4),

SEQ ID NO:

Leu-Val-Val-Tyr-Pro-Trp-Thr-Gln (SEQ ID NO: 6),

Leu-Val-Val-Tyr-Pro-Trp-Thr (SEQ ID NO: 7),

Leu-Val-Val-Tyr-Pro-Trp (SEQ ID NO: 8),

Leu-Val-Val-Tyr-Pro (SEQ ID NO: 9),

Val-Val-Tyr-Pro-Trp-Thr-Gln (SEQ ID NO: 10),

Tyr-Pro-Trp-Thr-Gln-Arg-Phe (SEQ ID NO: 11),

Tyr-Pro-Trp-Thr-Gln-Arg (SEQ ID NO: 12),

Tyr-Pro-Trp-Thr-Gln (SEQ ID NO: 13), and

Tyr-Pro-Trp-Thr (SEQ ID NO: 28).

Claim 56, line 2, after "Val" insert --(SEQ ID NO: 37)--.

59. (Amended) A method as in method 58 wherein said INPROL is selected from the group the alpha chain of hemoglobin, the beta chain of hemoglobin, the gamma chain of hemoglobin,

the delta chain of hemoglobin, the epsilon chain of hemoglobin, the zeta chain of hemoglobin, a polypeptide having the sequence of amino acids 1-97 of the human alpha hemoglobin chain, a polypeptide having the sequence of amino acids 1-94 of the human alpha hemoglobin chain,

[illegible] SEQ ID NO: 37

[illegible]

(Iodo)Phe-Pro-His-Phe-Asp-Leu-Ser-His-Gly-Ser-Ala-Gln-Val (SEQ ID NO: 37),

[illegible] SEQ ID NO: [illegible]